Robot vacuum cleaner

User manual

SR10J50✳✳✳ Series

- Before operating this unit, please read the instructions carefully.
- For indoor use only.

SAMSUNG

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Safety information

Safety information

⚠ WARNING

- Before operating the appliance, please read this manual thoroughly and retain it for your reference.

⚠ WARNING

- Because these following operating instructions cover various models, the characteristics of your vacuum cleaner may differ slightly from those described in this manual.

Caution/Warning symbols used

⚠ WARNING

Indicates that a danger of death or serious injury exists.

⚠ CAUTION

Indicates that a risk of personal injury or material damage exists.

Other symbols used

NOTE

Indicates that the following text contains additional important information.

Important safety instructions

When using an electrical appliance, basic precautions should be observed, including the following:

Read all instrucrions before using your robot vacuum cleaner.

Unplug the charger (station) from outlet when not in use and before conducting maintenance.

⚠ **WARNING**

To reduce the risk of fire, electric shock, or injury:

General

- Use only as described in this manual.
- Do not operate the robot vacuum cleaner or charger (station) if it has been damaged in any way.
- If the robot vacuum cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped in water, return it to a customer care center.
- Do not handle the charger (station) or robot vacuum cleaner with wet hands.
- Use only on dry, indoor surfaces.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

BATTERY Charger (station)

- Do not modify the polarized plug to fit a non-polarized outlet or extension cord.
- Do not use outdoors or on wet surfaces.
- Unplug the charger (station) from the outlet when not in use and before servicing.
- Use only the charger (station) supplied by the manufacturer to recharge.
- Do not use with a damaged cord or plug or a loose power outlet.
- Do not pull or carry by the cord, use the cord as a handle, close the door on the cord, or pull the cord around sharp edges or corners. Keep the cord away from heated surfaces.
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
- Do not mutilate or incinerate batteries as they will explode at high temperatures.
- Do not attempt to open the charger (station). Repairs should only be carried out by a qualified customer care center.
- Do not expose the charger (station) to high temperatures or allow moisture or humidity of any kind to come into contact with the charger (station).

Robot vacuum cleaner

- Do not pick up hard or sharp objects such as glass, nails, screws, coins, and etc.
- Do not use without a filter in place. When servicing the unit, never put fingers or other objects into the fan chamber in case the unit accidentally turns on.
- Do not put any objects into openings. Do not use with any openings blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
- Do not use to pick up toxic materials (chlorine bleach, ammonia, drain cleaner, etc.).
- Do not use to pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids such as gasoline, nor use on areas where they may be present including:
  - Locations with candles or desk lamps on the floor.
  - Locations with unattended fires (fire or embers).
  - Locations with distilled alcohol, thinner, ashtrays with burning cigarettes, etc.
- Do not use the robot vacuum cleaner in an enclosed space filled with vapours given off by oil based paint, paint thinner, moth proofing substances, flammable dust, or other explosive or toxic vapours.
- Leaks from battery cells can occur under extreme usage or temperature conditions.
- If the liquid gets on skin, wash quickly with water. If the liquid gets into the eyes, flush them immediately with clean water for a minimum of 10 minutes. Seek medical attention.

⚠ WARNING

Power related

- Please prevent any risk of electric shock or fire.
  - Do not damage the power cord.
  - Do not pull the power cord too hard or touch the power plug with wet hands.
  - Do not use a power source other than the national rated voltage and also do not use a multi outlet to supply power to number of devices at the same time.
  - Do not leave the power cord carelessly on the floor.
  - Do not use a damaged power plug, power cord or loose power outlet.
- Clean dust or any foreign matters on the pin and contact part of the power plug.
  - There is a risk of electric shock or malfunction.

Before use

- Do not use the robot vacuum cleaner near combustible materials.
  - Places near candles, desktop lamps, fireplaces or near combustible materials such as gasoline, alcohol, thinners etc.
- The robot vacuum cleaner is intended for household use therefore do not use it in an attic, basement, storage, industrial building, out of indoor space, in places with moisture (such as bathroom, laundry), or on the table or shelves.
  - The robot vacuum cleaner can be damaged or malfunction.

- Install the Virtual guard (option) in front of dangerous areas (such as stairs or railings) to prevent damaging the product or getting injured.
  - For your safety, always keep the cliff sensor clean.
- Be sure the robot vacuum cleaner does not pass through or touch any kind of liquids.
  - The robot vacuum cleaner can be severely damaged and it may contaminate other areas if the wheels pass through liquid.
- Do not spill any liquids on the charger.
  - There is a risk of fire or electric shock.
- Do not use the charger for anything other than its intended purpose.
  - There is a risk of fire or severe damage to the charger.
- Always keep the cliff sensor clean for your safety.

In use

- If any abnormal sounds, smells or smoke come from the robot vacuum cleaner, immediately shut off the power switch at the bottom of the robot vacuum cleaner and contact a service center.

Cleaning and maintenance

- When the power cord is damaged, contact a service center to get it replaced by certified repairman.
  - There is a risk of fire or electric shock.
- Please check with a Samsung Electronics service center when exchanging batteries.
  - Using batteries from other products can cause malfunction.

⚠ CAUTION

Before use

- Insert the dustbin before using the robot vacuum cleaner.
- Open room doors before cleaning in order to have all rooms cleaned and install a Virtual guard (option) in front of entryways, balconies, bathrooms, or other areas where the robot vacuum cleaner may fall.
- Be careful with the followings for proper automatic recharging.
  - Always turn on the power of the charger.
  - Install the charger where the robot vacuum cleaner can easily find.
  - Do not leave any object in front of the charger.
- When installing the charger, do not leave the cord carelessly on the floor since the robot vacuum cleaner may get tangled by it.
- Do not use the robot vacuum cleaner on black colored floors.
  - The robot vacuum cleaner may not be able to operate normally.
- Do not pick up the robot vacuum cleaner by the dustbin holder.
- Do not place any objects within 0.5 m to both sides and 1 m to the front of the charger.
- Make sure the charger’s charging contact is not damaged or have any foreign matters on it.
- Do not install the charger in an area with a dark floor.
  - If the floor around the charger is dark, recharging is hindered.
- Move any obstacles that may disturb the robot vacuum cleaner’s movement (such as children’s indoor swing or slides) before cleaning.

In use

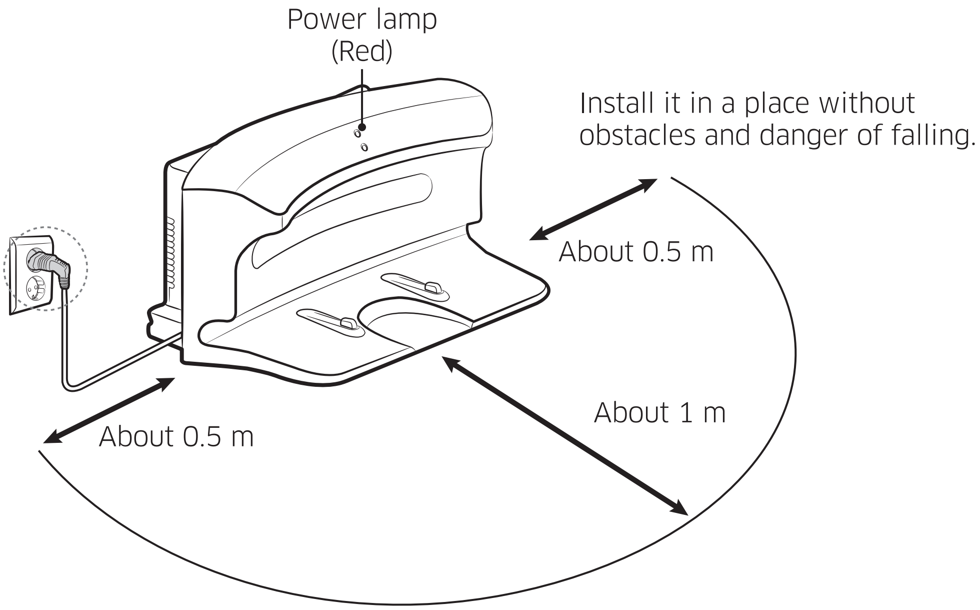
- Using the robot vacuum cleaner on thick carpet may damage both the robot vacuum cleaner and the carpet.
  - The robot vacuum cleaner cannot pass over carpet that is thicker than 1 cm.
- Do not use the robot vacuum cleaner on tables or other high surfaces.
  - There is a risk of damage if it falls.
- The robot vacuum cleaner may bump into chair, desk legs therefore move them away for faster and efficient cleaning.
- When the robot vacuum cleaner is operating, do not lift it up or carry it to another area.
- Do not hold the robot vacuum cleaner by its driving wheels when carrying it to another area.
- Do not put any objects on top of the robot vacuum cleaner since it may cause malfunction.
- Remove any large papers or plastic bags from the floor before using the robot vacuum cleaner since they may block the intake.
- The robot vacuum cleaner may not be able to continue its operation if it is stuck at entrances or veranda doorsills.
  - The robot vacuum cleaner stops operating for safety reasons if it cannot move for more than 5 minutes.
  - To resume operating, turn the power switch off and then on again after moving it to a location where it can continue cleaning.
- Do not aim the red pointer directly at people or animals (optional).

Cleaning and maintenance

- Prevent any damage to the robot vacuum cleaner by complying the followings.
  - Do not clean the robot vacuum cleaner by spraying water directly onto it or use benzene, thinner, acetone or alcohol to clean it.
- Do not disassemble or repair the robot vacuum cleaner yourself.
  - This should only be done by a certified repairman.
- Always keep the obstacle sensor and cliff sensor clean.
  - If foreign matter accumulates, sensors may malfunction.

Installation

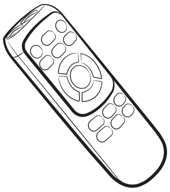
Power of the charger must be on at all times.


Power lamp
(Red)
Install it in a place without obstacles and danger of falling.
About 0.5 m
About 0.5 m
About 1 m

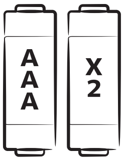
NOTE

- Install the charger in a place where the floor and wall are level.
- Install the charger along the grain of wooden floors.
- If the power switch is off, the robot vacuum cleaner will not charge even if it is docked on the charger.
- Always turn on the power of the charger.
  - If power is not supplied to the charger, the robot vacuum cleaner cannot find it and cannot automatically recharge.
  - If the robot vacuum cleaner is left detached from the charger, the battery will drain naturally.
- If the robot vacuum cleaner is in energy-saving mode, power will not come on even if the power switch is turned off and then on. Press and hold the Start/Stop button on the robot vacuum cleaner.

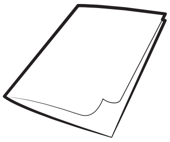
Accessories



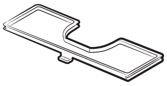
Remote control (Option)



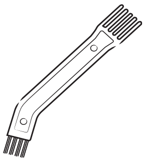
Batteries
[AAA type (Option)]



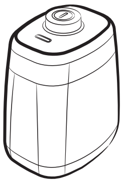
User manual



Spare filter (Option)



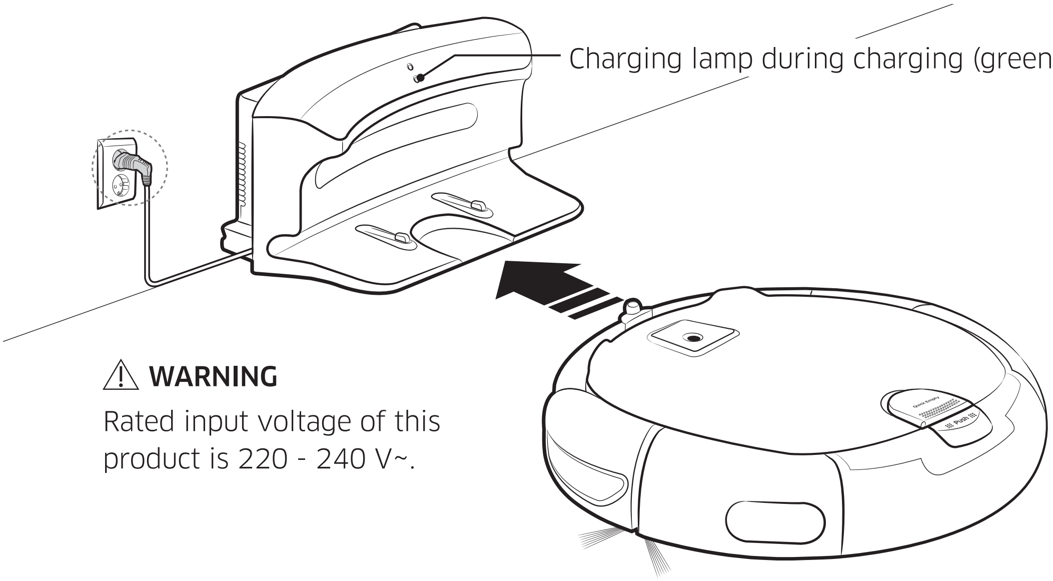
Cleaning brush



Virtual guard (Option)

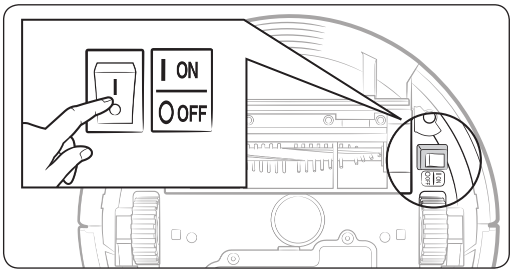
Charging

It takes approximately 120 minutes to completely charge when charging for the first time after purchase and can be used for approximately 90 minutes.


Charging lamp during charging (green)

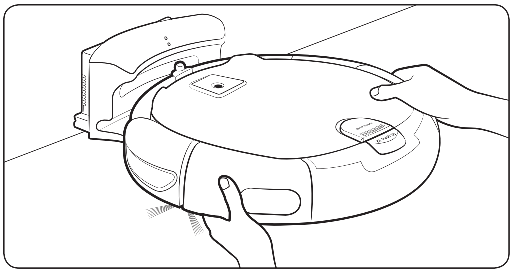
⚠ **WARNING**

Rated input voltage of this product is 220 - 240 V~.



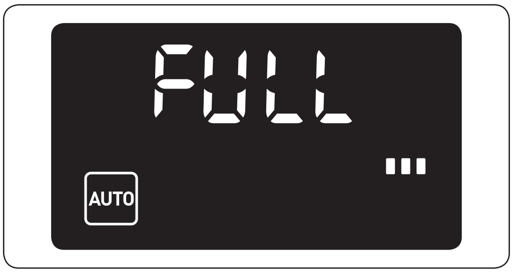
1 Turn on the power switch on the bottom.

You must turn on the power switch to turn on the robot vacuum cleaner.



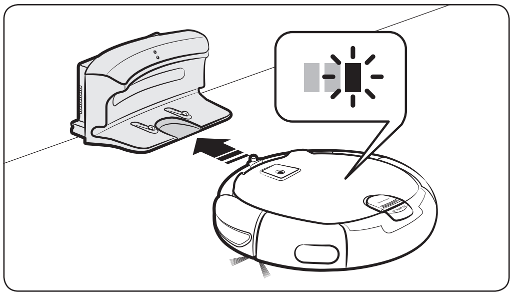
2 Manually charge the robot vacuum cleaner by placing it on the charger.

Make sure the charge pins of the robot vacuum cleaner and the charger is aligned.



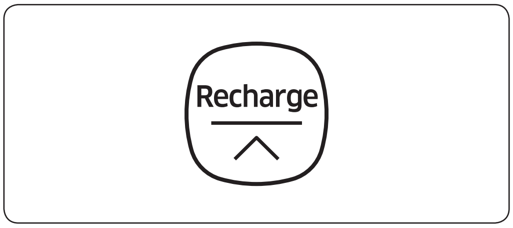
3 Check the charging status.

“88:88” will turn on according to charging progress and “FULL” will turn on when charging is complete.



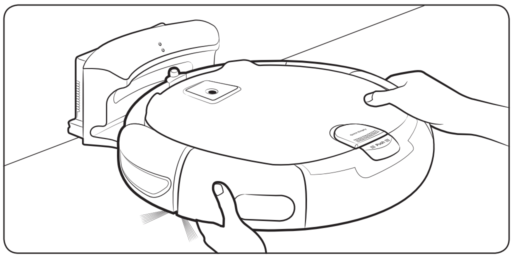
Automatic charging

When the battery indicator blinks during cleaning, the robot vacuum cleaner will return to the charger to charge itself automatically.



Recharge

You can command the robot vacuum cleaner to recharge at the charger while it is in cleaning process.



Low battery (Lo)

Manually charge the robot vacuum cleaner by placing it on the charger.

Steps to take if recharging is not being executed.

Check the installation status of the charger when:

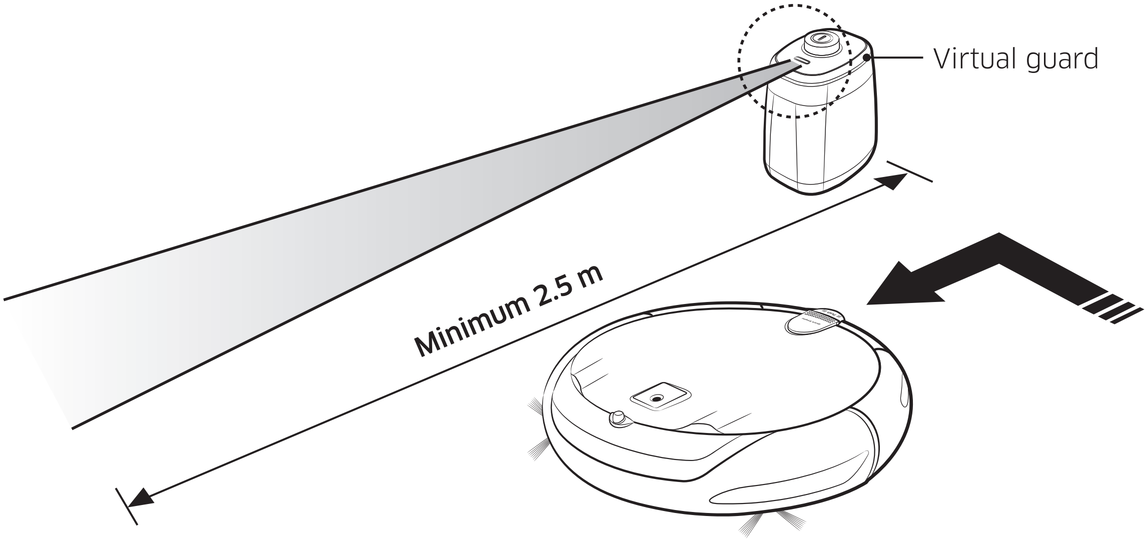
- the charger is located in a place where the robot vacuum cleaner cannot easily access.
- distance between the charger and robot vacuum cleaner is over 5 m apart.
  - It may take a long time for the robot vacuum cleaner to return to the charger for recharging.

Manually charge the robot vacuum cleaner when:

- the charger is located in a corner.
- battery is fully exhausted.
- the robot vacuum cleaner is stuck by obstacles (furniture etc.).
- the robot vacuum cleaner can’t climb threshold near charge. (Height of the threshold that the robot vacuum cleaner can climb: about 1.5 cm and below)
- when the battery indicator blinks and “Lo” is displayed.
- when the robot vacuum cleaner is set on Spot clean or Manual clean mode.

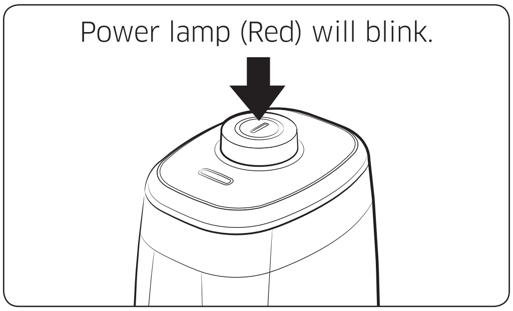
Installing the virtual guard (Optional)

Infrared ray from the Virtual guard will restrict the robot vacuum cleaner from approaching certain areas.



The distance of virtual wall is 2.5 m at minimum and may differ depending on surroundings and movement status of the robot vacuum cleaner.

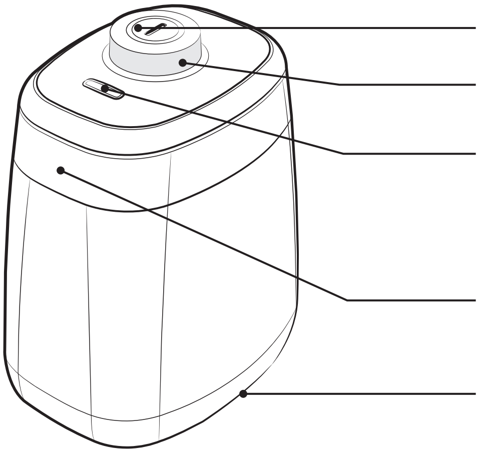
1 Press the Power button to turn it on.



2 Install the Virtual guard where you want to restrict the robot vacuum cleaner's entrance.

Make sure that the distance sensor is facing in the desired direction you want to create a invisible barrier (which will restrict the robot vacuum cleaner's approach).

Part name of the virtual guard



Power button

Robot vacuum cleaner detection sensor

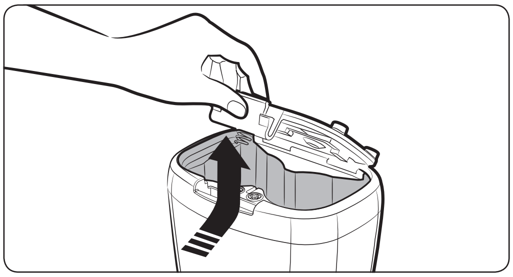
Power lamp
Power on: Red lamp blinks
Power off: Lamp is off

Distance detection sensor (Infrared ray sensor)

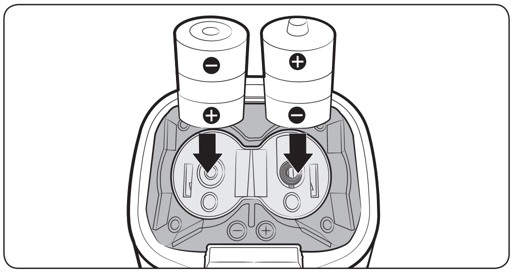
Battery cover

Inserting batteries

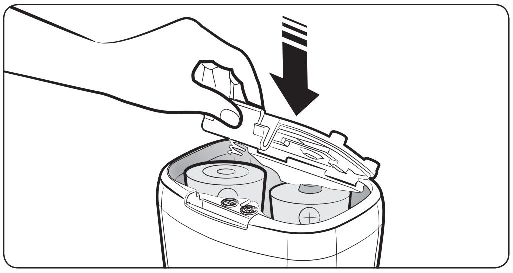
Batteries for the Virtual guard must be purchased separately.



1 Open the battery cover of the Virtual guard by pressing the locking tab and lift it up.



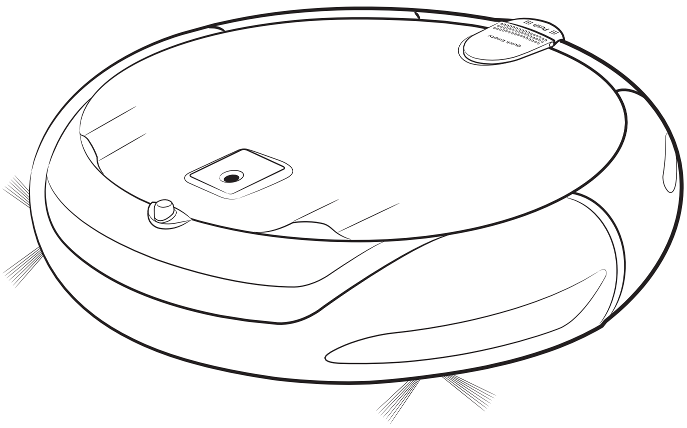
2 Insert the batteries (D type) as shown in the illustration (check the +, - polarity).



3 Insert the tip of the cover into the slot and push the other end to close the battery cover.

Using the robot vacuum cleaner

You must turn on the power switch before using the robot vacuum cleaner.

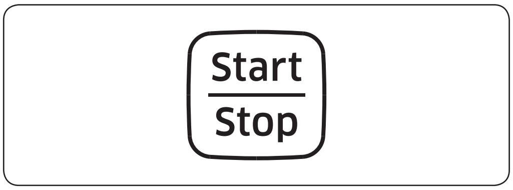


Turning the power on/off

Turn on/off the power switch on the bottom of the robot vacuum cleaner.

⚠ **WARNING**

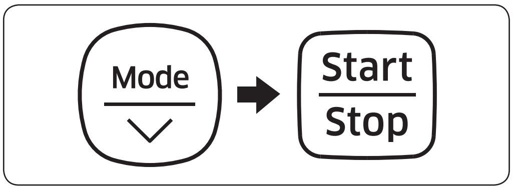
- When the robot vacuum cleaner is not used for 10 minutes, power will turn off automatically.



Using auto clean mode

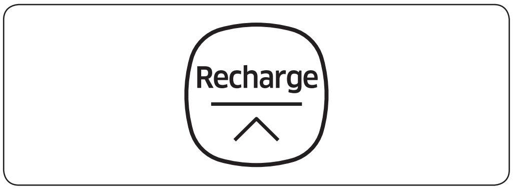
The robot vacuum cleaner moves and cleans automatically until it cleans an entire space once.

⁕ Stop cleaning: Press the Start/Stop button shortly



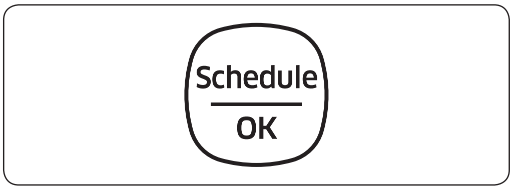
Using the cleaning modes

You can select the desired cleaning mode.



Recharge

You can command the robot vacuum cleaner to recharge at the charger automatically while it is in cleaning process.

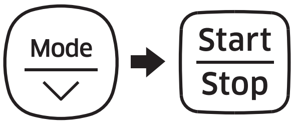
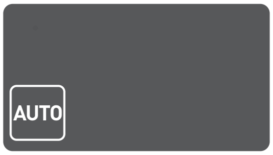
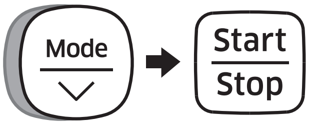
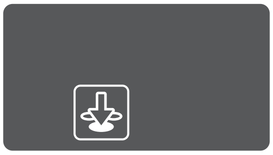
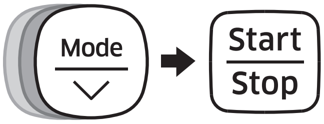
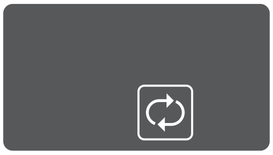
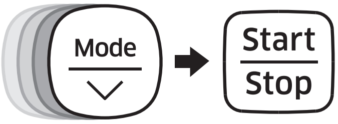
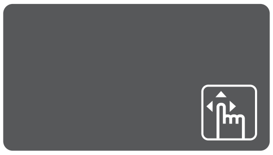
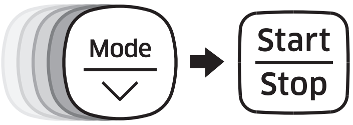
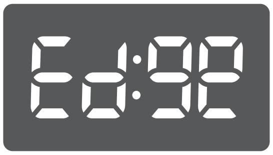


Setting schedule

You can set or cancel on-time or daily schedule.

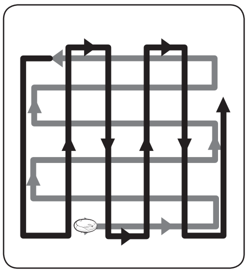
⁕ Refer to “Setting the schedule”.

Selecting cleaning mode

Cleaning mode	How to select	Displayed icon
Auto clean	Press once  Mode Start Stop	
Spot clean	Press twice  Mode Start Stop	
Max clean	Press 3 times  Mode Start Stop	
Manual clean	Press 4 times  Mode Start Stop ❊ Direction control can be done only by the remote control.	
Edge clean	Press 5 times  Mode Start Stop	

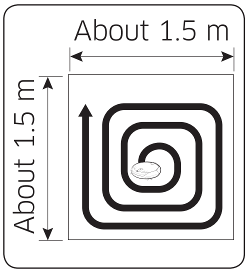
❊ When the robot vacuum cleaner is being charged, you can only select the Auto clean, Max clean or Edge clean mode.

Cleaning method for each mode



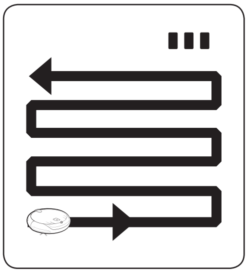
Auto clean

Cleans automatically until an entire space is cleaned once.



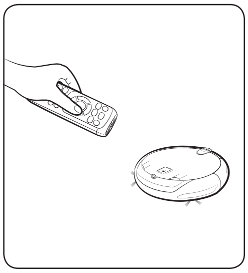
Spot clean

Cleans a localized area intensely. It can be used to clean bread or cookie crumbs.



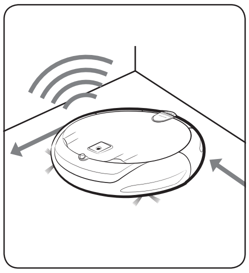
Max clean

Cleans until the battery is depleted.



Manual clean

You can move the robot vacuum cleaner with the remote control to clean the desired spot.

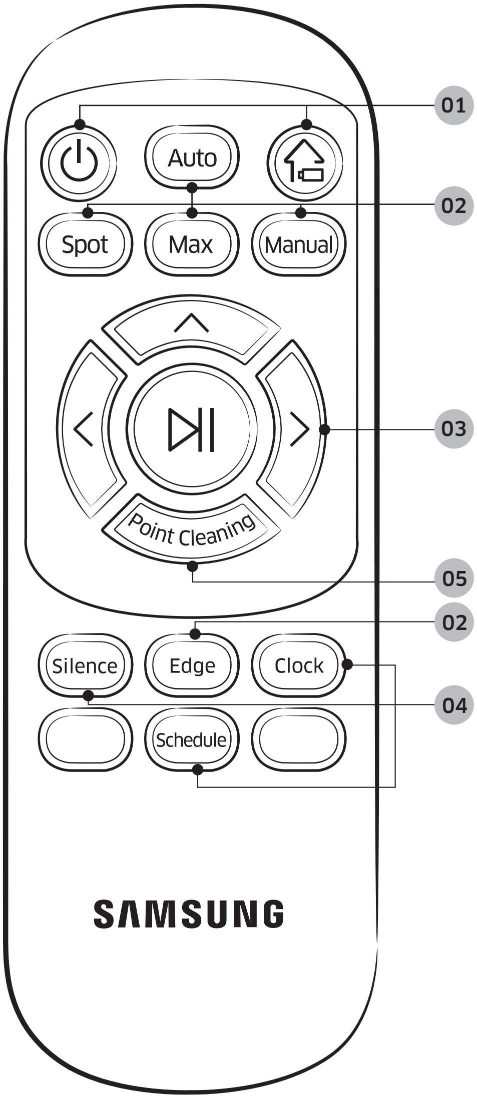


Edge clean

Cleans the corners by reaching to them as close as possible.

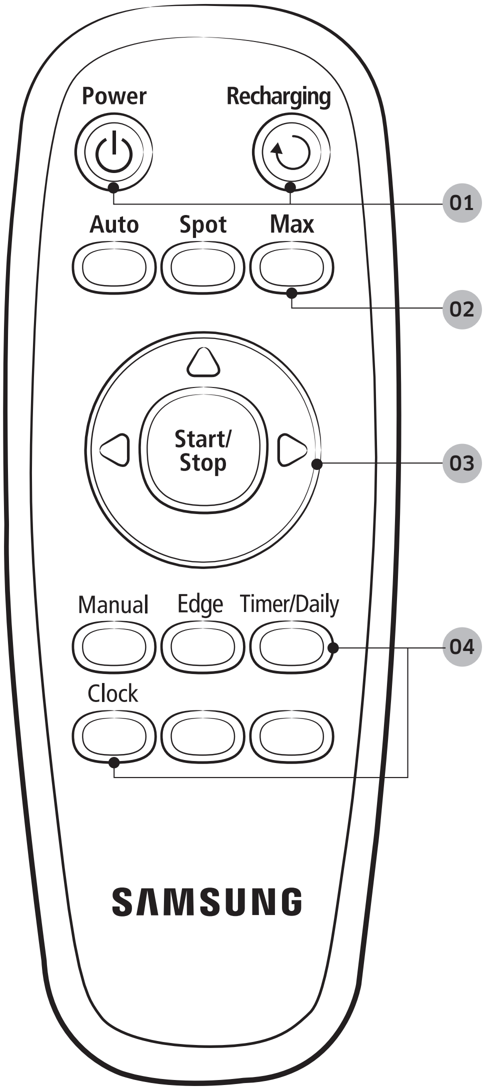
Using the remote control

[A Type]

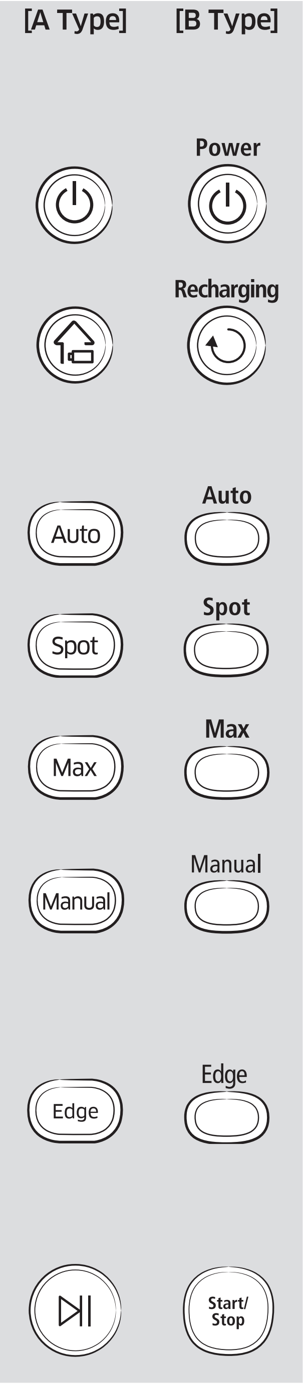


01
Auto
02
Spot
Max
Manual
03
Point Cleaning
05
02
Silence
Edge
Clock
04
Schedule
SAMSUNG

[B Type]



Power
Recharging
01
Auto
Spot
Max
02
Start/
Stop
03
Manual
Edge
Timer/Daily
04
Clock
SAMSUNG



01 Power/Recharging

Power

Turn the robot vacuum cleaner’s power on/off

Recharging

Select to recharge the robot vacuum cleaner at the charger while it is in cleaning process

02 Cleaning mode

Auto clean

Select to automatically clean an entire space once

Spot clean

Select to clean a localized area intensely

Max clean

Select to make the robot vacuum cleaner to clean until battery indicator flashes after reaching down to one level

Manual clean

Select to manually control and clean by using the remote control

Edge clean

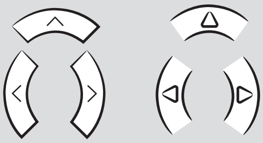
Select to clean the corners by reaching to them as close as possible

- When the obstacle sensor detects an obstacle during the cleaning, the robot vacuum cleaner reduces its speed to minimize the bumping impact and the bumper sensor also helps it lower the buming impact.

Start/Stop

Select to start or stop cleaning process

[A Type] [B Type]



03 Direction control

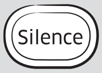
Select to move forward

Select to turn left

Select to turn right

✳ Moving backward is not available

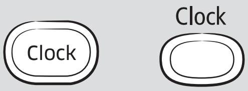
04 Additional function



Silence mode

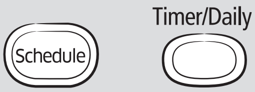
Select to clean with lower operation noise

- "SHHH" displays on the display panel while the Silence mode is operating.


Clock
Clock

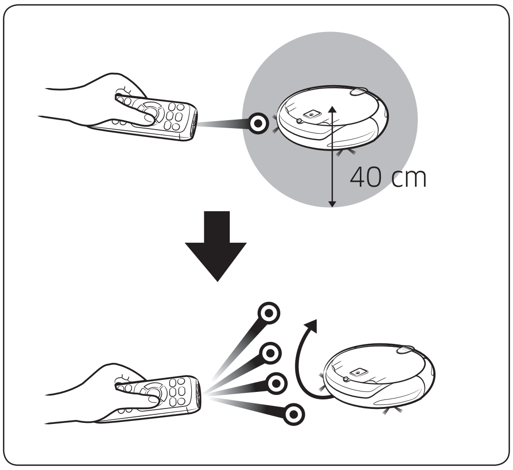
Setting the time

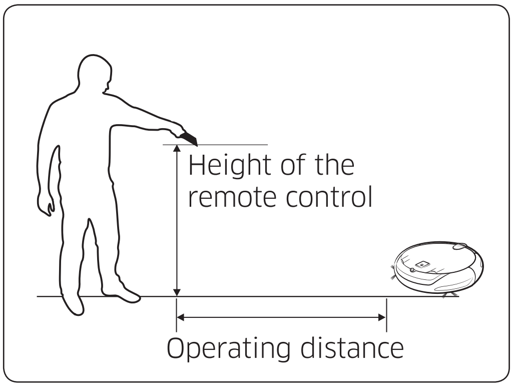
Refer to page 26


Schedule
Timer/Daily

Setting the schedule

Refer to page 26





05 Point cleaning

Only available with A type remote control

You can use the remote control to point and clean the desired spot while the robot vacuum cleaner is in cleaning process.

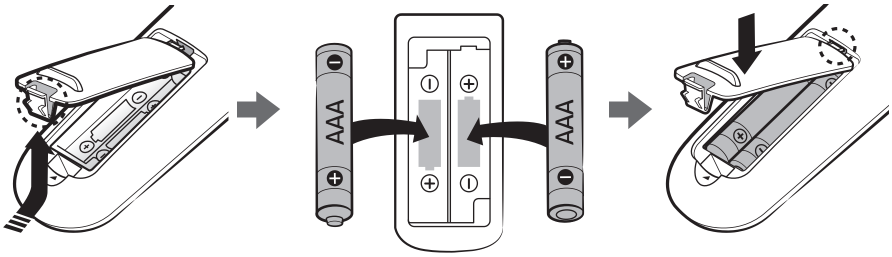
- Point the red light on the floor within 40 cm around the robot vacuum cleaner's location.
- Press and hold the Point cleaning button to move the red light to the desired spot. The the robot vacuum cleaner will follow the light while cleaning.

Operating distance of the remote control

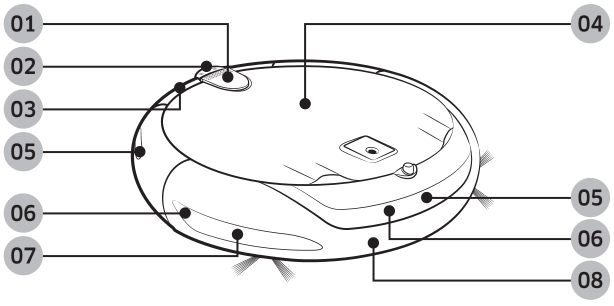
Height of the remote control	0.5 m	1 m	1.5 m
Operating distance	About 1.5 m	About 2 m	About 2.5 m

Inserting batteries

Open the battery cover by lifting it up while pressing the locking tab and insert the batteries as shown in the illustration. Then, close the cover until it clicks into place.

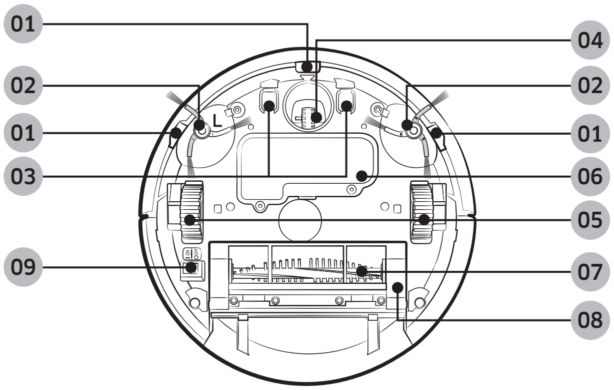


Name of each part


01
02
03
05
06
07
04
05
06
08

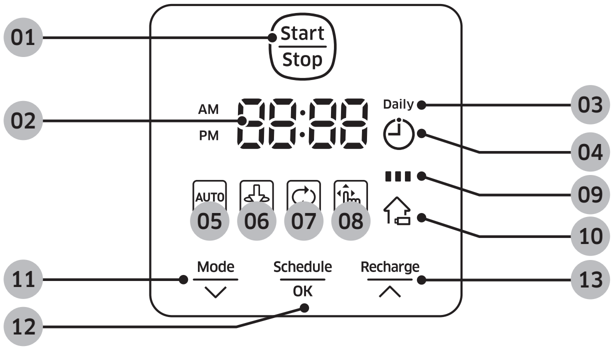
Top

01 Quick Empty cover (Option)
02 Dustbin button
03 Dustbin
04 Display panel
05 Remote control sensor
06 Obstacle sensor
07 Virtual guard sensor (Option)
08 Bumper sensor


01
02
01
03
09
04
02
01
06
05
07
08
L

Bottom

01 Cliff sensor
02 Side brush
03 Charge pin
04 Roller
05 Driving wheel
06 Battery cover
07 Power brush
08 Power brush cover
09 Power switch


01
02
11
12
Start
Stop
AM
PM
88:88
Daily
AUTO
05
06
07
08
Mode
Schedule
OK
Recharge
03
04
09
10
13

Display panel

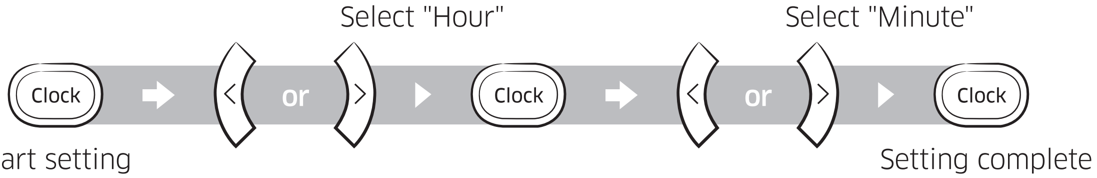
01 Start/Stop button
02 Number display
03 Daily schedule
04 One-time schedule
05 Auto clean
06 Spot clean
07 Max clean
08 Manual clean
09 Battery indicator
10 Recharging
11 Cleaning mode button
12 Schedule button
13 Recharge button

Setting time/schedule

B type remote control's Clock, Timer/Daily, ◁ ▷ buttons works in same manner as A type remote control.

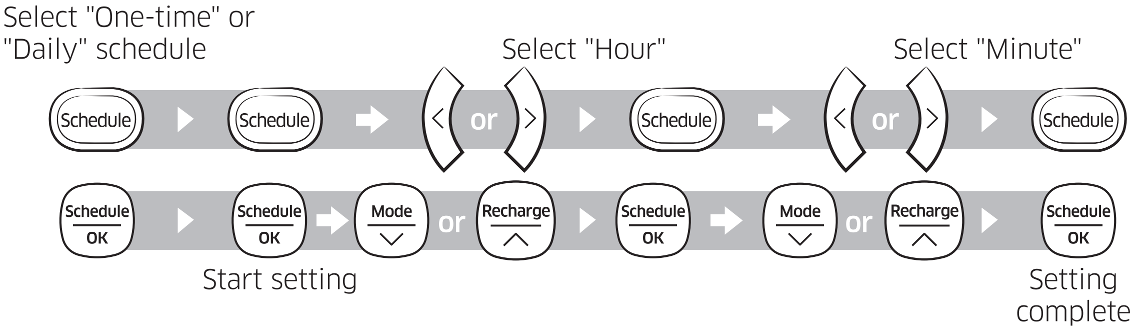
Setting the time

- You must set the current time before using the one-time/daily schedule.
- You can set the time only with the remote control.


Select "Hour"
Select "Minute"
Clock
or
Clock
or
Clock
Start setting
Setting complete

Setting the schedule

- Setting/cancelling the schedule can only be done while the robot vacuum cleaner is docked on the charger.
- Press the Schedule button shortly to set one-time schedule.
- Press the Schedule button for 3 seconds to set daily schedule.


Select "One-time" or "Daily" schedule
Select "Hour"
Select "Minute"
Schedule
Schedule
or
Schedule
or
Schedule
Schedule OK
Schedule OK
Mode
or
Recharge
Schedule OK
Mode
or
Recharge
Schedule OK
Start setting
Setting complete

⏻ Cancelling during setup

Cancelling One-time/Daily schedule

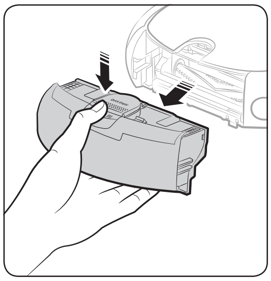
To cancel the one-time schedule	⏯ Cancel complete
To cancel the daily schedule	Schedule ➡ ⏯ Press for 3 sec. Cancel complete

Cleaning and maintaining

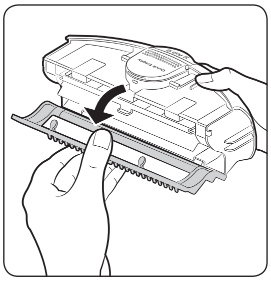
You must turn off the power switch before cleaning the robot vacuum cleaner.

Cleaning the dustbin

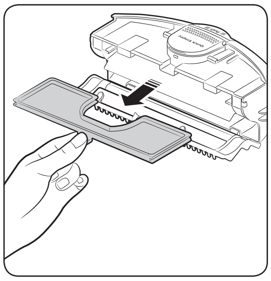
Clean the dustbin if there’s too much dust in the dustbin.



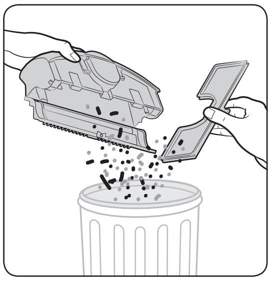
1 Remove the dustbin



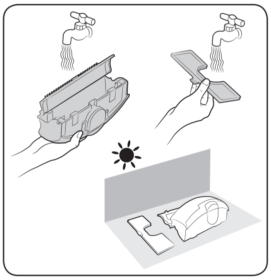
2 Open the dustbin cover



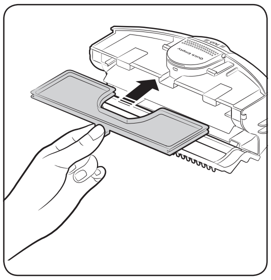
3 Remove the filter from the dustbin



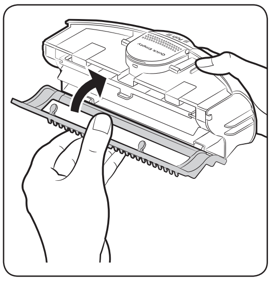
4 Remove dust in the dustbin and the filter



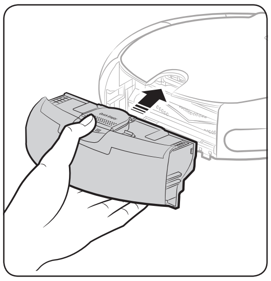
5 Wash the dustbin and the filter



6 Reassemble the filter into the dustbin



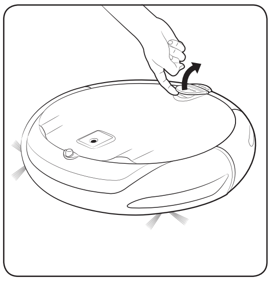
7 Close the dustbin cover



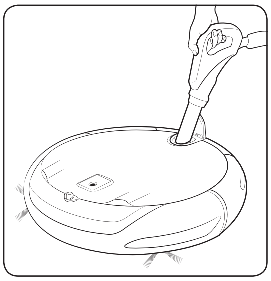
8 Reinsert the dustbin into the robot vacuum cleaner

Emptying the dustbin (Quick Empty)

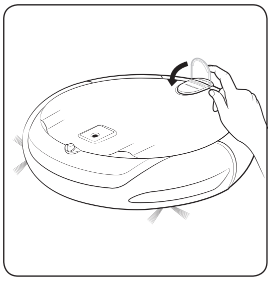
Use the Quick Empty cover for emptying the dustbin easily.



1 Open the Quick Empty cover

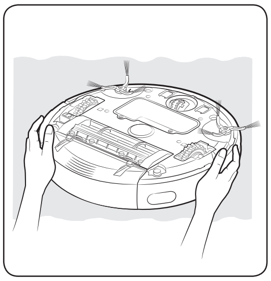


2 Remove dust in the dustbin with a vacuum cleaner

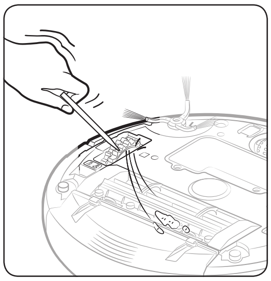


3 Close the Quick Empty cover

Cleaning the driving wheel



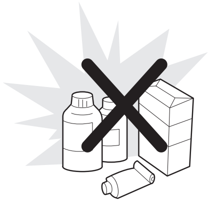
1 Put a soft cloth on the floor and place the robot vacuum cleaner upside-down

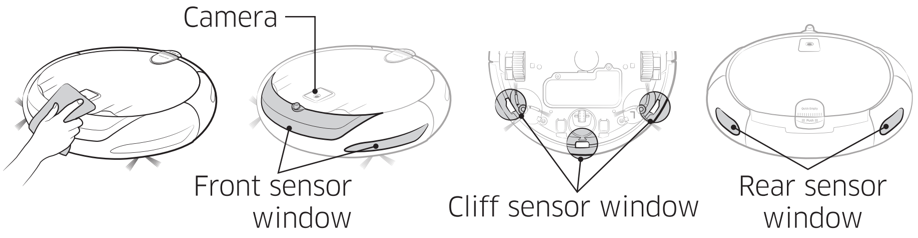


2 Use a blunt rod or tweezers to remove the foreign matters

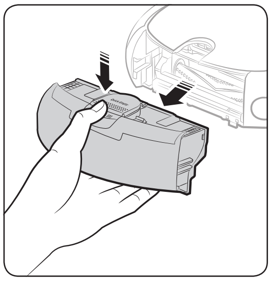
Cleaning the sensors and the camera

Lightly wipe with soft cloth.

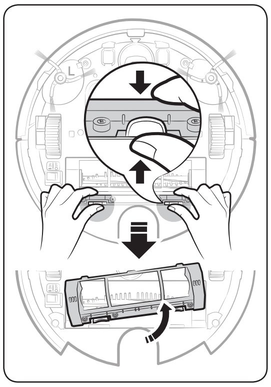



Camera
Front sensor window
Cliff sensor window
Rear sensor window

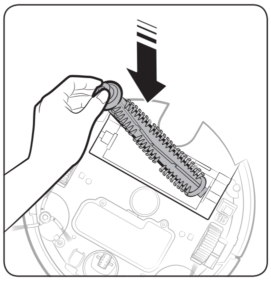
Cleaning the power brush



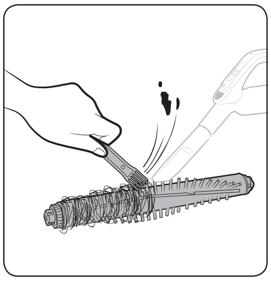
1 Remove the dustbin



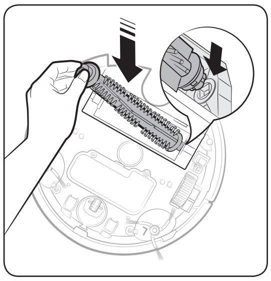
2 Remove the power brush cover



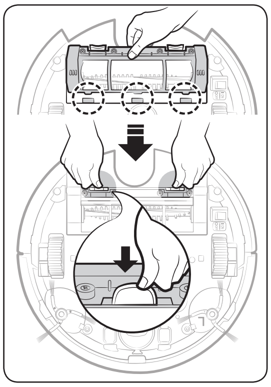
3 Remove the power brush



4 Clean the power brush



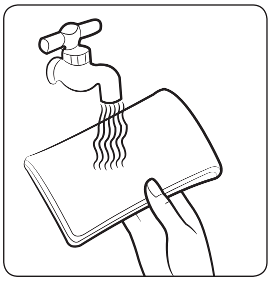
5 Reassemble the power brush



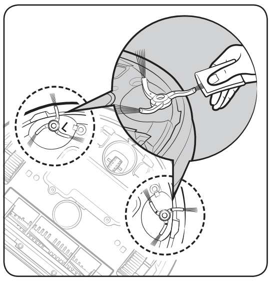
6 Reassemble the power brush cover

Cleaning the side brush

Clean the side brush if there’s foreign matter on the brush.

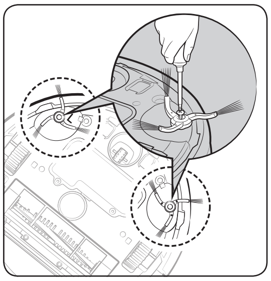


1 Dip soft cloth into warm water

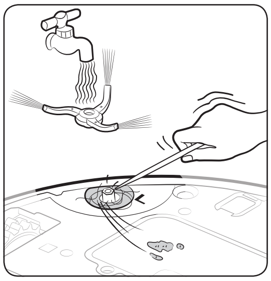


2 Wrap the side brushes with the cloth for about 10 seconds and then wipe it

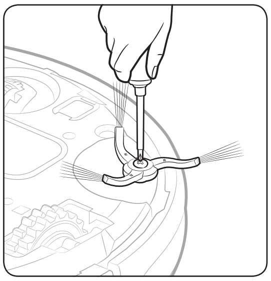
If hair or string is caught between the main unit and the side brush, follow the below steps.



1 Remove the side brushes



2 Clean the side brushes



3 Reassemble the side brushes

Notes and cautions

Charging

NOTE

- If the battery overheats during charging, it may take longer to charge.
- When automatic charging is not working, please check the followings.
  - Turn the power switch (on the bottom of the robot vacuum cleaner) off and then on again.
  - Unplug the charger's power plug and then plug it back on.
  - Check whether there is any foreign matter in the charge pins and clean the robot vacuum cleaner and the charge pins of the charger with a dry cloth or rag.
  - Check for any obstacles such as reflective objects, chairs, etc. near the charger.
- If the robot vacuum cleaner is left detached from the charger, the battery will drain naturally.
  - Try to keep the robot vacuum cleaner being charged on the charger. (Turn off the power switch and leave the charger unplugged when planning to leave the house for long periods of time by going on a business trip or vacation, etc.)

In use

NOTE

- To use the robot vacuum cleaner, the power switch must be turned on. If the power switch is turned off, all settings will be reset.
- Do not lie down around the Robot Vacuum that is running.
  - Your hair may be caught between the power brush and the side brush, resulting in physical injury.
- The robot vacuum cleaner may get caught on thresholds, etc. during cleaning.
  - To restart operation, shut off the power switch, move the robot vacuum cleaner to an area where it can move easily and then turn on the power again.
- The robot vacuum cleaner cannot completely clean areas it cannot enter, such as corners, between the wall and sofa, etc.
  - Please use another cleaning tool to clean them regularly.
- The robot vacuum cleaner cannot vacuum clumps of dirt, so some may remain on the floor after cleaning.
  - Please use another cleaning tool to clean them regularly.

- If the robot vacuum cleaner is turned off, power cannot be turned on by the Power button of the remote control. Press and hold the Start/Stop button on the robot vacuum cleaner.
- If the battery becomes low during Auto/Max clean mode, the robot vacuum cleaner will recharge and finish cleaning the remaining area after recharging. (Repeat cleaning frequency: 1 time)
- You cannot select and execute Max/Manual clean mode while charging.
- Do not unnecessarily move the robot vacuum cleaner or press buttons while it is in Auto/Max clean mode. It assumes that cleaning is complete and starts cleaning again from the beginning.
- If the Point cleaning button is pressed while the robot vacuum cleaner is charging, it will move backward about 250 mm and rotate 180º.
- If the robot vacuum cleaner senses the bumping impact or fall, it will move backward automatically.
- If the Point cleaning button is not pressed for more than 2 seconds, the point cleaning function will be turned off and the robot vacuum cleaner will operate according to the previous operation as the follows:
  - When it was in the Stand-by mode, it will stop on the spot.
  - When it was in the Manual clean mode, it will stand by on the spot for the Manual mode.
  - When it was in the Auto/Max/Edge clean mode, it will operate in the previous clean mode.
  - When it was in the Spot clean mode, it will operate in the Spot clean mode from the spot.
  - When it was returning to the charger to charge itself, it will move to the charger again.
- When the robot vacuum cleaner is charging automatically since the battery indicator blinks, the point cleaning function will not operate.

Cleaning and maintenance

NOTE

- If you washed the dustbin and filter with water,
  - Dustbin: Completely wipe out the water.
  - Filter: Completely dry it in a shade before using.

CAUTION

- Watch your fingers when attaching or detaching the filter, since they may get stuck in the dustbin's intake.
- To avoid blockages by foreign matter, do not let toothpicks, cotton swabs etc. from being vacuumed by the robot vacuum cleaner.
- If it is difficult to remove foreign matters from the power brush, contact a service center.
- Since the power brush removes dirt from the floor during cleaning, foreign matters such as thread, long hair, etc. may get caught in it. Therefore check and clean it regularly.

About the battery

NOTE

- Purchase batteries at service centers and check the genuine part symbol (SAMSUNG) and model name before purchasing.
- Charge batteries in a place with good ventilation.
- The battery is exclusively for Samsung Electronics robot vacuum cleaner; do not use it for any other product.
- Do not disassemble or modify the battery.
- Do not throw the battery out in fire or heat it up.
- Do not connect any metallic object to the charging contacts (+, -).
- Do not discard the batteries with your household trash.
- Before you discard the robot vacuum cleaner, dispose of the batteries in an environmentally safe manner.
  - Follow all local regulations when disposing of batteries.
- Store it indoors (at 0 °C ~ 40 °C).
- If the battery malfunctions, do not disassemble it yourself. Contact your nearest service center.
- The battery warranty period is 6 months from the date of purchase.

- The robot vacuum cleaner is powered by an environment-friendly Nickel Metal Hydride (NiMH) rechargeable battery, and an over-charge prevention function guarantees an extended life time.
- An increased charging time and a shorter battery life indicates the closer end of the battery life. Please contact an authorized customer care center to replace your battery.
- The battery warranty period is 6 months from the date of purchase.

About the IrDA sensor

⚠ **CAUTION**

- Infrared signal transmission may not be smooth in locations exposed to halogen lamps or in outdoor locations.
- The robot vacuum cleaner uses 3 types of infrared devices and a device may not work in front of another device with a higher priority.
  - Infrared signal Priority: Remote control > Virtual guard (option) > Charger
- When controlling the robot vacuum cleaner with the remote control, the robot vacuum cleaner may cross the invisible barrier set by the Virtual guard (option) and enter the area you don’t want it to enter, since remote control’s signal has a higher priority.
- Different infrared signals may interfere with one another and cause the devices to malfunction if they are used together in a small space or in a close distance.
- Install the Virtual guard (option) away from the charger as auto charging may be interrupted if the Virtual guard is near the charger.
- If more than one robot vacuum cleaners is used simultaneously, they may malfunction due to interference of the infrared signals.

Information codes

Information codes	Checklist
C 00	The robot vacuum cleaner is caught, stuck or trapped while moving around. • Turn off the power switch and move the robot vacuum cleaner to another area.
C 01	Foreign matter caught in the Power brush. • Turn off the power switch and remove the foreign matter from the Power brush.
C 02	Foreign matter caught in the left Driving wheel. • Turn off the power switch and remove the foreign matter from the Driving wheel.
C 03	Foreign matter caught in the right Driving wheel. • Turn off the power switch and remove the foreign matter from the Driving wheel.
C 05	Bumper sensor needs to be checked. • Turn off the power switch and turn it back on. • Contact a service center if information code does not disappear.
C 06	Foreign matter accumulated on the obstacle sensor. • Turn off the power switch and clean the front and rear sensor with a soft cloth.
C 07	Foreign matter accumulated on the cliff sensor. • Turn off the power switch and clean the cliff sensor with a soft cloth.
C 09	Foreign matter caught on the side brush. • Turn off the power switch and remove the foreign matter from the side brush.

If press Start/Stop button or turn off the power switch, the information code will be cleared.

Troubleshooting

Symptom	Checklist
The robot vacuum cleaner is not working at all.	• Check if the power switch is on. • Check if all the icons are displayed on display panel. • Check if the battery of the robot vacuum cleaner is depleted. – When “Lo” is displayed, carry the robot vacuum cleaner to the charger to charge it. • Replace the batteries (AAA type) when the remote controller is not working. • Check if the dustbin is assembled.
The robot vacuum cleaner is stopped during cleaning process.	• When “Lo” is displayed on the display panel, carry the robot vacuum cleaner to the charger to charge it. • When the robot vacuum cleaner is stuck by the obstacles such as cord, threshold etc, pick it up to remove it from the obstacle. – If any fabric or string is caught in the drive wheel, turn off the power switch and remove the fabric or string before using it again. • When the robot vacuum cleaner stuck to the floor where there is a height difference, carry it to another area.
Suction power is weak.	• If the filter is clogged, turn off the power switch and clean the dustbin and filter. • When there’s too much dust in the dustbin, suction power may get weakened. Turn off the power switch and empty the dustbin. • If the intake (on bottom of The robot vacuum cleaner) is blocked by foreign matters, turn off the power switch and remove foreign matter from the intake. • When noise suddenly increase, turn off the emergency switch and empty the dustbin.

Symptom	Checklist
The robot vacuum cleaner cannot find the charger.	• Check if there's power failure or whether the power plug is unplugged. • Remove any obstacles around the charger (about 1 m in front and about 0.5 m to both sides of the charger) that may disturb the robot vacuum cleaner from returning to the charger. • When there's foreign matters on the charge pins that affects charging, clean the foreign matter. • Check if the Virtual guard (option) is installed near the charger.
The robot vacuum cleaner suddenly cleans diagonally.	• Check if the charger is installed along the grain of wooden floors or tiles. • It may clean in diagonal direction for moving to another area in shortest route, or it made contact with any obstacles in that angle, or if it was charged at the charged at an angle, or grain of the wooden/tile floor is in that direction.
Point cleaning is not working. (Option)	• If you point the red light directly at the robot vacuum cleaner, it may not move to desired direction. – Point the red light on the floor within 40 cm around the robot vacuum cleaner. • Do not use the point cleaning in direct sunlight, under bright light or on dark floors.
The robot vacuum cleaner passes through the Virtual guard. (Option)	• If the batteries in the Virtual guard are depleted, replace them. (2 type D (LR20) batteries) • If the power lamp if the Virtual guard is off, check if the Virtual guard is turned off and then turn it back on. • Check if the distance sensor is facing in the desired direction you want to create an invisible barrier.
The battery usage time of the Virtual guard is too short. (Option)	• Make sure you are using batteries. • Replace the batteries with new batteries. (2 type D (LR20) batteries)

Warnings about battery

❊ Only available in E.U.

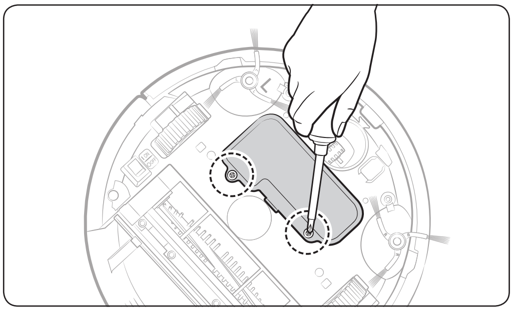
⚠ **WARNING**

You must not remove (or attempt to remove) the battery incorporated in this product on your own. To replace the battery, you must contact your service provider or an independent qualified professional. These instructions have been prepared for the exclusive use of your service provider or independent qualified professional.

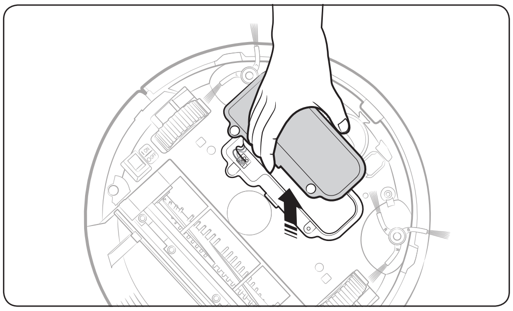
FOR YOUR OWN SAFETY, DO NOT ATTEMPT TO REMOVE THE BATTERY ON YOUR OWN OR DISPOSE OF IT IN FIRE. DO NOT DISASSEMBLE, CRUSH OR PUNCTURE THE BATTERY.

How to remove the battery

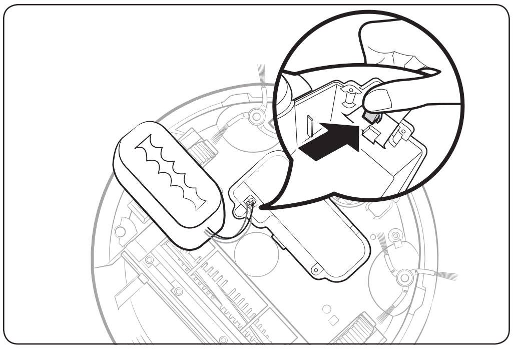
Remove the robot vacuum cleaner from the charger (station) for disassembling.
You must turn off the robot vacuum cleaner for safety before diassembling.



1 Lay down and invert the robot vacuum cleaner, and then remove 2 screws.



2 Remove the battery cover.



3 Remove the battery from the slot and disconnect the connector.

Correct disposal of batteries in this product

(Applicable in countries with separate battery return systems.)

The marking on the battery, manual or packaging indicates that the battery in this product should not be disposed of with other household waste. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.

The battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider. Do not attempt to remove the battery or dispose it in a fire. Do not disassemble, crush, or puncture the battery. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery

Specifications

Classification	Item	Detail information
Mechanical specifications	Diameter	355 mm
	Height	93 mm
	Weight	3.6 kg
	Button type of the main unit	Touch type
Power specifications	Power voltage	220 - 240 V~, 50 - 60 Hz
	Power consumption (Charger)	50 W
	Power consumption (Main unit)	40 W
	Battery specifications	14.4 V / 2,000 mA
Cleaning specifications	Charging type	Automatic charging/Manual charging
	Cleaning mode	Auto, Spot, Max, Manual
	Charging time	Approximately 120 minutes
	Cleaning time (On the basis of hard floor)	Approximately 90 minutes
	Dust bin capacity	About 0.6 ℓ
Cleaning method	Ceiling shape recognition	

This Vacuum cleaner is approved the following. (Only available in E.U.)
Electromagnetic Compatibility Directive : 2004/108/EEC
Low Voltage Directive : 2006/95/EC

Open source announcement

The software included in this product contains open source software. You may obtain the complete corresponding source code for a period of three years after the last shipment of this product by sending an email to mailto:oss.request@samsung.com.

It is also possible to obtain the complete corresponding source code in a physical medium such as a CD-ROM; a minimal charge will be required.

The following URL http://opensource.samsung.com/opensource/VR5000J/seq/0 leads to the download page of the source code made available and open source license information as related to this product. This offer is valid to anyone in receipt of this information.

Note

Note

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If you have any questions or comments relating to Samsung products,
please contact the SAMSUNG customer care center.

Country	Customer Care Center	Web Site
U.K	0330 SAMSUNG (7267864)	www.samsung.com
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